

Date: Fri, 20 May 94 04:30:50 PDT  
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>  
Errors-To: Ham-Homebrew-Errors@UCSD.Edu  
Reply-To: Ham-Homebrew@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Homebrew Digest V94 #135  
To: Ham-Homebrew

Ham-Homebrew Digest                      Fri, 20 May 94                      Volume 94 : Issue 135

Today's Topics:

    40m Transmitter or VFO project??- any suggestions?  
                    Cobra CB Radio MOD  
    HELP! Need 'advice' on transmitter construction. (3 msgs)  
        Man named Loomis invented radio?  
        Repeater linking, what radios?  
        What I need..and I am looking for..  
    Where can I obtain Millen high voltage connectors?

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>

Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 20 May 94 05:50:27 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!  
ruger-13.slip.uiuc.edu!user@ucbvax.berkeley.edu  
Subject: 40m Transmitter or VFO project??- any suggestions?  
To: ham-homebrew@ucsd.edu

Hello all,

I recently purchased an old boat anchor which is an upgrade from an older  
boat anchor, but most importantly, it was cheap and it works well. I am  
planning on upgrading to general this summer and am looking for a nice 40m  
project (or if you really really prefer another band, I'll take suggestions  
about bands also). I was thinking along the lines of a QRP cw transmitter  
that would allow me to make a little set-up for myself. I have a small  
transmitter (only transistor and such) already in mind that was originally  
x-tal stuck, and I figure I could pop in a vfo instead of the x-tal in the

project if I wanted, so I'll take suggestions on vfo projects also. I recently did a small 2m kit, and I will be much happier in the lower freq's :) (lead length and such).

In anycase, I'm in your hands, mold me and shape me into something nice!!!

TNX A TON (that's about what this thing weighs ;)  
Allen Hall n9rzc@uiuc.edu

-----  
Date: 19 May 94 17:30:57 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!news.eunet.fi!  
anon.penet.fi@ucbvax.berkeley.edu  
Subject: Cobra CB Radio MOD  
To: ham-homebrew@ucsd.edu

I understand that there are a number of modifications that can be performed on the Cobra model 148GTL CB radio, and am interested in obtaining them. I tried looking at oak.oakland.edu under the /pub/hamradio/mods section but have not found anything yet.

Thanks for any help!

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To find out more about the anon service, send mail to help@anon.penet.fi. Due to the double-blind, any mail replies to this message will be anonymized, and an anonymous id will be allocated automatically. You have been warned. Please report any problems, inappropriate use etc. to admin@anon.penet.fi.  
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Date: 19 May 94 19:07:11 GMT  
From: agate!overload.lbl.gov!dancer.ca.sandia.gov!cronkite.nersc.gov!  
fastrac.llnl.gov!lll-winken.llnl.gov!zeus.ieee.org!europa.eng.gtefsd.com!  
howland.reston.ans.net!EU.net!uknet!bcc.ac.uk!@  
Subject: HELP! Need 'advice' on transmitter construction.  
To: ham-homebrew@ucsd.edu

siwasaki@unix1.tcd.ie (Pleasure Death) writes:

>Hi,

>i just built a 2-transistor, .2 Watt transistor.  
>I can get pretty good range with it (approx 250 metres) with a 'bad'  
>set-up ,ie not covered, poor antenna.

>I'm looking to build a bigger, more powerful model, and also make  
>an efficient antenna.

>Can anyone give me any information on doing this?  
>Also can anyone recommend any TEXTS on transmitter construction,  
>esp one with circuit diagrams.....

What frequency?

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Date: 19 May 94 22:13:43 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!wupost!slacc.com!  
nmoss@ucbvax.berkeley.edu  
Subject: HELP! Need 'advice' on transmitter construction.  
To: ham-homebrew@ucsd.edu

I recommend that you get a copy of the ARRL (American Radio Relay League)  
handbook (published annually). There are similar publications put out by  
the amateur radio organizations in other countries as well.

Noel Moss  
nmoss@slacc.com

SLACC STACK BBS - St. Louis, Missouri  
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

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Date: Thu, 19 May 1994 13:15:00 GMT  
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!  
EU.net!ieunet!tcdcs!news.tcd.ie!unix1.tcd.ie!siwasaki@network.ucsd.edu  
Subject: HELP! Need 'advice' on transmitter construction.  
To: ham-homebrew@ucsd.edu

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an efficient antenna.

Can anyone give me any information on doing this?

Also can anyone recommend any TEXTS on transmitter construction,  
esp one with circuit diagrams.....

Thanks.

Si.

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Date: Thu, 19 May 1994 14:29:00 GMT  
From: newsflash.concordia.ca!pavo.concordia.ca!md\_hill@uunet.uu.net  
Subject: Man named Loomis invented radio?  
To: ham-homebrew@ucsd.edu

>  
>Loomis took advantage of the roughly 300 volts/meter potential in the  
>atmosphere to activate his transmitter. The current flow is small, except  
>during thunderstorms, but it was sufficient to generate a detectable signal  
>at a distance in the days before widespread use of electricity.

>  
>Nathan B. Stubblefield's work was much further advanced. He sent \*voice\*  
>signals over distances greater than 30 miles before Marconi et al sent  
>spark signals. His system was powered by batteries and apparently worked  
>on the principle of sheet conductance. (He was very secretive about the  
>exact details.) He conducted a demonstration for Congress where he  
>communicated by voice with a ship in the Potomac from the shore. His was  
>the first "underground" radio station.

>  
>And of course there was Tesla. He had radio controlled boats operating  
>in the lake of Central Park in one demonstration well before Marconi  
>generated his first sparks. Tesla was fascinated by resonance phenomena.

Message-ID: <19MAY199409295316@pavo.concordia.ca>

References: <2r8f28\$ha2@vixen.cso.uiuc.edu>

<1994May17.145749.20098@kocrsv01.delcoelect.com>

<1994May18.054635.16316@ke4zv.atl.ga.us>

Organization: Concordia University

News-Software: VAX/VMS VNEWS 1.41

Reginald Aubrey Fessenden, a Canadian, actually sent the first voice message  
without the help of wires on December 23, 1900 from Cobb Island in the Potomac  
river. He also improved Marconi's wireless system, made the first radio  
broadcast, and invented sonar. An article appeared in Equinox magazine several  
years ago that detailed Fessenden's achievements.

-Mark Hillier           Internet: MD\_HILL@pavo.concordia.ca

Amateur: VE2HVV

PACKET: VE2HVV@VE2FKB

" I hear, I forget. I see, I remember. I do, I understand"



buy from.

I am a programmer for the Health Department. I probably will not have any problems connecting the equipment together, and to my computer. I have already assembled (built it) and configured (setup CMOS, etc.) my IBM 386DX. I think the only problem that I will encounter will be in configuring software between each piece so that I can connect to the internet. I will be able to get all of the assistance I need from Joe. If I need any more assistance, I will send you a message. I have an account on internet via the Health department. Do you mind if people access A. Farm via the internet? Can I access A. Farm Via the internet?--I can ask Joe, but since I am writing this message, I will just ask you.

Do you want scanned color images placed on your BBS? These images do take up room, even in the compressed and 16color format. I have a scanner, and I can scan in a image for you. As for programs etc for uploading, What are you interested in. I might have something you would want, or can generate something that does the same thing. I will be restricted by my work demands and I cannot give you anything that would look like it could have come from my work (even if I created the code).

Well, I must get some work done. I also need to study for the Amateur Radio Exam.

Cynthia

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Date: 18 May 1994 19:01:46 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.udel.edu!diusys!  
dave@network.ucsd.edu  
Subject: Where can I obtain Millen high voltage connectors?  
To: ham-homebrew@ucsd.edu

David Feldman (dgf@netcom.com) wrote:

: I'm trying to find a source for Millen-type (or real Millen) high voltage  
: connectors - they're a single conductor plastic body connector used on ends of  
: the cable between a high power tube amplifier & it's power supply.  
: Name and/or telephone number of vendor(s) greatly appreciated.

: 73 Dave WB0GAZ dgf@netcom.com

Radio Kit used to carry these, I think.

PO Box 973  
Pelham, NH 03076

(603) 635-2235

Might be worth a try. Good Luck, Dave WA3U

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Date: 19 May 94 21:22:57 GMT  
From: agate!dog.ee.lbl.gov!ihnp4.ucsd.edu!news.cerf.net!mvp.saic.com!  
MathWorks.Com!europa.eng.gtefsd.com!howland.reston.ans.net!vixen.cso.uiuc.edu!  
ux4.cso.uiuc.edu!cburian@uchvax.berkeley.  
To: ham-homebrew@ucsd.edu

References <BILLW.94May18174710@glare.cisco.com>, <2rev9o\$g3o@vixen.cso.uiuc.edu>,  
<2rg9rq\$i0t@handler.Eng.Sun.COM>u  
Subject : Re: Philips "Dream Machine" 8XC750 design contest

cmcmanis@Sun.COM (Chuck McManis) writes:

]Christopher J Burian (cburian@ux4.cso.uiuc.edu) wrote:  
]: 'Tis true. Perhaps Philips should follow Dallas' lead and reduce the number  
]: of clock cycles per machine cycle, instead of just pushing the clock and  
]: internals to the limit. (Maybe that's why they made it run up to 40MHz,  
]: to make it competitive.)

]A very good idea that I hope Phillips picks up on, I have the impression  
]though that they got this core loaded up into their ASIC library and now  
]they are whipping out chips right and left. Its much lower risk to stick  
]with a working core.

Dallas seems to be the company into unique packaging variations. They say  
they're soon going to put onboard memory on their hi-speed 80c320, I suspect  
it'll be NVRAM. Maybe they'll forfeit some leads and stick a version in a  
skinny dip package. 2K of program memory, a UART & serial programming, and  
18-24 pins would be nice.

Chris Burian

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Date: 19 May 1994 18:06:50 GMT  
From: news.cerf.net!mvp.saic.com!MathWorks.Com!yeshua.marcam.com!  
charnel.ecst.csuchico.edu!olivea!korie1!news2me.EBay.Sun.COM!rampart.EBay.Sun.COM!  
handler.Eng.Sun.COM!pepper!@ihnp4.ucsd.edu  
To: ham-homebrew@ucsd.edu

References <2rdmra\$gdh@handler.Eng.Sun.COM>,  
<BILLW.94May18174710@glare.cisco.com>, <2rev9o\$g3o@vixen.cso.uiuc.edu>ew  
Subject : Re: Philips "Dream Machine" 8XC750 design contest

First, I didn't mean to "compare" Mhz. I agree with everyone that they aren't

comparable. However I stick by my original statement that the Microchip "PIC" and the 8xC750 are in the same "class". (This is a tautology since I also get to define the term "class" :-)

Christopher J Burian (cburian@ux4.cso.uiuc.edu) wrote:

: 'Tis true. Perhaps Philips should follow Dallas' lead and reduce the number  
: of clock cycles per machine cycle, instead of just pushing the clock and  
: internals to the limit. (Maybe that's why they made it run up to 40MHz,  
: to make it competitive.)

A very good idea that I hope Phillips picks up on, I have the impression though that they got this core loaded up into their ASIC library and now they are whipping out chips right and left. Its much lower risk to stick with a working core.

: Nevertheless, I'm glad I've got a skinny-dip 8031-core chip to play with.  
: I'm just miffed that it doesn't have a UART, since just about everything I  
: build talks to my PC via RS-232, and so I'm stuck with low speed and  
: complicated, program space-hogging comm routines.

Someone else just posted the serial I/O routines for the 8031 and they were pretty small. (Dave Dunfield I believe). I don't mind doing bit-banger routines, but I do mind (on the PIC at least) that I really have to use clever programming to get asynchronous I/O.

--

--Chuck McManis                      All opinions in this message/article are  
FirstPerson Inc.                      those of the author, who may or may not  
Internet: cmcmanis@firstperson.COM   be who you think it is.

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End of Ham-Homebrew Digest V94 #135

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